AW Hydraulic Oil ISO 46 (Standard hydraulic Oil)

Section1. Chemical Product and Company Identification.
Product Name: **AW Hydraulic Oil ISO 46**
Code / Part Number:**9616, 9636, 9637, 9638,11360**
Distributor: SPX Hydraulic Technologies
5885 11th Street
Rockford, IL 61109
Phone: 815-874-5556
INFOTRAC 24 Hour Emergency Numbers:
800-535-5053 USA, Canada & Puerto Rico
352-323-3500 International
INFOTRAC emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

Material Use: The product designed for use in hydraulic applications.
Revision Date: 03/29/2012
Supercedes: 11/16/2011
Preparer: brauer, Denise

Section 2. Composition and Information on Ingredients.
Components: Petroleum Oil 95-99% CAS#64742-65-0
TLV=5mg/M^3
Additives 1-5% Proprietary
TLV not established
Exposure Limits:
TLV-TWA (8hr): 5mg/cubic m (oil mist)
STEL: 10 mg/ cubic m (oil mist)
Manufacturer Recommendation: Not applicable
Other Exposure Limits: Consult local, state, provincial or territorial authorities for acceptable exposure limits.

Section 3. Hazardous Identification.
Potential Health Effects: Not irritating to slight irritation to skin and eyes with no permanent damage. Relatively non-toxic via ingestion. This product has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. At high temperatures or mechanical actions may produce vapors or mists, inhalation may cause irritation of the breathing passages. See section 11.

Section 4. First Aid Measures
Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin Contact: Remove contaminated clothing – launder before reuse. Wash contaminated skin with running water and non-abrasive soap. Get medical attention if irritation develops or if product is injected under pressure into or under the skin.
Inhalation: Remove to fresh air. Get medical attention if breathing difficulty persists. If victim is not breathing, perform artificial respiration.
Ingestion: DO NOT induce vomiting. Seek medical attention.

Section 5. Fire-fighting Measures
Flammability: May be combustive at high temperature.
Flash point: >=200 deg C (392 deg F) (COC)
NFPA 704 Hazard Class
Health: 0 **Flammability:** 1 **Instability**: 0
(0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)
Unusual Fire & Explosion Hazards: This material may burn, but will not ignite readily.
Extinguishing Media: Dry chemical, carbon dioxide, foam, or water spray is recommended. Water of foam may cause frothing of material heated above 212^0F.Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.
Fire Fighting Instructions: For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self containing breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant. Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

Hazardous Combustion Products: Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed.

Section 6. Accidental Release Measures
Material Release or Spill: ELIMINATE ALL IGNITION SOURCES. Avoid contact. Stop leak if without risk. Contain spill. Absorb with inert absorbents. Place used absorbent in closed metal containers for later disposal or burn absorbent in suitable combustion chamber. Do not flush to sewers, steams or other bodies of water. Check with applicable jurisdiction for specific disposal requirements of spilled materials and empty containers. Notify the appropriate authorities immediately.

Section 7. Handling and Storage.
Handling: Avoid inhalation and skin contact especially when handling used oil. Keep away from sources of ignition. Do not reuse empty containers without commercial reconditioning. Practice good personal hygiene. Wash hands after handling oil and before eating. Launder work clothes frequently. Discard saturated leather goods.
Storage: Store in tightly closed containers in cool, dry, isolated, well-ventilated area, and away from incompatibles.

Section 8. Exposure Control / Personal Protection.
Engineering Controls: For normal application, special ventilation is not necessary. If user's operations generate vapors or mists, use ventilation to keep contaminants below exposure limits. Make-up air should always be supplied to balance air removed by exhaust. Have eyewash station and safety-shower close to workstation.
Personal Protection:
Eyes: Eye protection should be determined based on conditions of use. If product is used in application where splashing may occur, the use of safety goggles and/or a face shield should be considered.
Hands and Body: Wear appropriate chemically protective gloves and wear appropriate clothing to prevent skin contact.
Respiratory: NIOSH approved respirators should be used when airborne contamination is above exposure limits.
Feet: Wear appropriate footwear to prevent product from coming in contact with feet and skin.

Section 9. Physical and Chemical Properties.
Appearance, Physical State: Clear, Blue, Viscous Liquid
Odor: Mild petroleum
Viscosity: 41.4 – 50.6 cSt @ 40 deg C
Flash Point: >= 200 deg.C (392 deg. F)
Vapor Pressure: Negligible at ambient temperature and pressure.
Specific Gravity: 0.875 kg/L @20 deg. C (68 deg.F)
Water solubility: Insoluble in water
pH: Not applicable

Section 10. Stability and Reactivity

Stability: Stable under normal handling and storage condition
Hazardous Polymerization: Will not occur at normal working conditions.
Incompatible Substances / Conditions to Avoid: Reactive with oxidizing agents and acids.
Decomposition Products: Combustion can yield carbon, nitrogen, sulfur, phosphorus, and zinc oxides.

Section 11. Toxicological information

Routes of entry: Skin and eye contact, inhalation, ingestion.
Acute Lethality: Based on toxicity of components.
Acute oral toxicity (LD50): >5g/kg.
Chronic or Other Toxic Effects.
Dermal Route: Prolonged or repeated contact may cause skin irritation characterized by dermatitis or oil acne.
Acute Dermal LD50:>2g/kg.
Inhalation Route: Negligible breathing hazard at normal temperature. Elevated temperatures or mechanical action may form vapors, mists or fumes. Inhalation of oil mists or vapors from hot oil may cause irritation of the upper respiratory track.
Acute Inhalation LC50: No data
Eye Irritation / Inflammation: Repeated or prolonged contact may cause irritation but not permanent damage.
Immunotoxicity: Not available.
Skin Sensitization: Not expected to be skin sensitizer.
Respiratory Tract Sensitization: Not expected to be respiratory tract sensitizers.
Carcinogenicity: This product is not known to contain any chemicals at reportable quantities that are listed as carcinogens by NTP, IARC, OSHA.
Other Considerations: No additional remark.

Section 12. Ecological Information

Environmental Fate: Not available.
Persistence / Bioaccumulation Potential: Not available.
BOD5 and COD: Not available.
Product of Biodegradation: Not available.
Additional Remarks: No additional remarks.

Section 13. Disposal Considerations

Waste Disposal: Spent/used/waste oil may meet the requirements of a hazardous waste. Consult your local or regional authorities. Ensure that disposal or reprocessing is in compliance with government requirements and local disposal regulations.

Section14. Transport Information

TDG Classification: Not controlled under TDG (Canada).
DOT Shipping Description: Not classified as hazardous.
Special Provisions for Transport: Not applicable.

Section 15. Regulatory Information

This product is acceptable for use under the provisions of WHMIS-CPR. All components of this formulation are listed on the CEPA-DSL (Domestic Substances List).

All components of this formulation are listed on the US EPA-TSCA Inventory.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required By the CPR.

This product is not known to contain any chemicals at reportable quantities that are listed on the SARA 313 and 40 CFR 372.

This product is not controlled under the HCS.

HMIS (USA):	Health Hazard	1
	Fire Hazard	1
	Reactivity	0
	Personal Protection	B
NFPA (USA):	Health Hazard	0
	Fire Hazard	1
	Reactivity	0
	Specific Hazard	none

Rating: 0 Insignificant
1 Slight
2 Moderate
3 High
4 Extreme

Section 16. Other Information:

Prepared by Cutting and Grinding Fluids, Inc.
317 Peoples Ave.
Rockford, IL 61104, USA

Phone: 815-967-4400
Fax: 815-967-4404

Revision Date: 03/29/2012

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